

AEROSPACE MATERIAL SPECIFICATION



AMS 2810F

Issued NOV 1944
Revised APR 1988
Reaffirmed JUN 2007

Superseding AMS 2810E

Identification and Packaging Elastomeric Products

RATIONALE

This document has been reaffirmed to comply with the SAE 5-year Review policy.

1. SCOPE:

This specification provides requirements for the identification and packaging of sheet, strip, extrusions, and molded parts made of natural rubber, synthetic rubber, reclaimed rubber, and combinations of the above with other materials such as asbestos, cork, and fabrics. AMS 2817 covers preferred requirements for identification and packaging of preformed packings.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications and Aerospace Standards shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350 Standards and Test Methods

2.1.2 Aerospace Standards:

AS 478 Identification Marking Methods

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2007 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: custsvc@sae.org
SAE WEB ADDRESS: <http://www.sae.org>

2.2 U.S. Government Publications:

Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

2.2.1 Military Standards:

MIL-STD-794 Parts and Equipment, Procedures for Packaging and Packing of

3. TECHNICAL REQUIREMENTS:

3.1 Production Identification:

Shall be as follows:

3.1.1 Sheet 8 Inches (203 mm) and Over in Width:

3.1.1.1 Sheet Ordered to Specification: Shall be marked with the specification number and its revision letter if any, manufacturer's name or identification mark, compound or style number, date of cure, color if different from that required by the material specification, and nominal thickness.

3.1.1.2 Sheet Not Ordered to Specification: Shall be marked with the manufacturer's name or identification mark, compound or style number, date of cure, and nominal thickness.

3.1.2 Sheet Under 8 Inches (203 mm) in Width, Strip, Extrusions, and Molded Tubes: Shall be marked with the information of 3.1.1 and the part or die number when applicable. Tubing shall also be marked with the nominal OD or ID, as ordered, and wall thickness.

3.1.3 Molded and Fabricated Parts: Shall be marked with the part number and change designation, date of cure, and the manufacturer's designation.

3.2 Marking Methods and Location:

3.2.1 Sheet 8 Inches (203 mm) and Over in Width: Shall be marked in accordance with AS 478, Method 30. The markings shall be applied in rows of recurring characters spaced not more than 5 inches (127 mm) apart, running either lengthwise or crosswise of the sheet, and on one face only. The characters shall be of such size as to be legible and shall not be obliterated by normal handling.

3.2.2 Sheet Under 8 Inches (203 mm) in Width, Strip, Extrusions, and Molded Tubes: Shall be marked in accordance with AS 478, Method 30. The markings shall appear in a row of characters recurring at intervals not greater than 3 feet (914 mm) or at each end of lengths shorter than 3 feet (914 mm). The characters shall be of such size as to be legible and shall not be obliterated by normal handling.

3.2.3 Molded and Fabricated Parts: Shall be marked in accordance with AS 478, Method 30, except as specified in 3.2.3.1 and 3.2.3.2.

3.2.3.1 When the integral symbol of AS 478 appears on the drawing, parts shall be marked in accordance with AS 478, Method 1A.

3.2.3.2 If marking by AS 478, Method 30, is impracticable because of the size or shape of the part and marking by AS 478, Method 1A, is not specified, parts shall be identified in accordance with AS 478, Method 37.

4. QUALITY ASSURANCE PROVISIONS:

Not applicable.

5. PREPARATION FOR DELIVERY:

5.1 Packaging and Package Identification:

5.1.1 Packaging shall be accomplished in such a manner to ensure that the product, during shipment and storage, will be protected against damage from exposure to moisture, weather, or any other normal hazard.

5.1.1.1 Elastomeric products subject to deterioration by environmental factors, such as ozone and light, shall be packaged in materials which will not be degraded by, or permit transmission of, the environment to the product.

5.1.2 Each package shall be permanently and legibly marked with not less than the following information:

MATERIAL SPECIFICATION NUMBER (Including revision letter) (See 5.1.2.1) _____
PURCHASE ORDER NUMBER _____
PART NUMBER OR FORM (as applicable) _____
QUANTITY OF PARTS OR PIECES (as applicable) _____
MANUFACTURER'S IDENTIFICATION _____
COMPOUND OR STYLE NUMBER _____
DATE OF CURE (quarter and year, e.g. 3059) _____

5.1.2.1 Omit, when material is not ordered to specification.

5.1.3 Packages shall be prepared for shipment in accordance with commercial practice and in compliance with applicable rules and regulations pertaining to the handling, packaging, and transportation of the product to ensure carrier acceptance and safe delivery. Packaging shall conform to carrier rules and regulations applicable to the mode of transportation.

5.1.4 For direct U.S. Military procurement, packaging shall be in accordance with MIL-STD-794, Level A or Level C, as specified in the request for procurement. Commercial packaging as in 5.1.1 and 5.1.3 will be acceptable if it meets the requirements of Level C.